### **Hacker News Data Collection and Analysis**

Write a Python program that interacts with the Hacker News website and its API to perform various data collection and analysis operations. Use the documented API of the site (<https://github.com/HackerNews/API>) to download details and fields about various articles on the site, saving them in a CSV. The program will also perform analysis on the collected data and plot the results. Your code needs to be saved in a public GitHub repository and handed in via a link by 18/7 at 17:00.

**Sub-Tasks:**

1. **Fetch and Save Top Stories:**
   * Fetch the IDs of the top stories using the Hacker News API.
   * For each story ID, fetch the details (e.g., title, URL, score, author, time, and number of comments).
   * Save the story details in a structured CSV file.
2. **Fetch Comments for Top Stories:**
   * For each top story, fetch the IDs of the top-level comments.
   * For each comment ID, fetch the details (e.g., author, text, time, and parent story).
   * Save the comment details in a separate structured CSV file.
3. **Analyze and Plot Data:**
   * Analyze the collected data to generate summary statistics (e.g., average score of top stories, average number of comments per story).
   * Save these summary statistics in a CSV file.
   * Plot the analysis results using appropriate visualization libraries.